BRUHAT BANGALORE MAHANAGARA PALIKE

Improvements to Roads of Sahakaranagara A Block and E Block (Except Roads Executed by PWD & Road Infrastructure Department) in Ward No 07 Byatarayanapura.

ABSTRACT

[Pick the date]

Estimate cost: ~~49.50~~ lakhs

Ward 7 byatarayanapura

KRIDL

1st & final

007-18-000037

W.O/94/2.3.2018

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to Roads of Sahakaranagara A Block and E Block (Except Roads Executed by PWD & Road Infrastructure Department) in Ward No 07 Byatarayanapura.

Measurements Taken On :

ABSTRACT OF MEASUREMENT SHEET - 1st and FINAL BILL

Item No	Description	Unit	Quantity	Approved Tender Rates	Amount	Remarks
Item No. 1	Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. and as per the directions of the Engineer-in-charge of the work .					
	present Qty	Cum	1011.63			
	Previous Bill Qty	Cum	0.00			
	Total	Cum	1011.63			
	BOQ Qty	Cum	1011.63			
	Now to be paid	Cum	1011.63	186.92	189093.88	
Item No. 02	Removing and refixing stone slabs of drains and pointing in CM and as per the directions of the Engineer-in-charge of the work .					
	present Qty	Sqm	2127.05			
	Previous Bill Qty	Sqm	0.00			
	Total	Sqm	2127.05			
	BOQ Qty	Sqm	2127.05			
	Now to be paid	Sqm	2127.05	80.56	171355.15	
Item No. 03	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5cms thick and fixed in cement mortar (1:6) including fixing curing ete., and as per the directions of the Engineer-in-charge of the work .					
	present Qty	Sqm	777.02			
	Previous Bill Qty	Sqm	0.00			
	Total	Sqm	777.02			
	BOQ Qty 777.02	Sqm	2127.05		517246.67	
	Now to be paid 777.02	Sqm	2127.05	665.68	1415934.64	
Item No.04	Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications and as per the directions of the Engineer-in-charge of the work .					
	present Qty	Cum	167.06			
	Previous Bill Qty	Cum	0.00			
	Total	Cum	167.06			
	BOQ Qty	Cum	167.06			
	Now to be paid	Cum	167.06	148.76	24851.85	

Contractor

Assistant Executive Engineer,
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

PMC

AssistantEngineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

Item No	Description	Unit	Quantity	Approved Tender Rates	Amount	Remarks
Item No.05	Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications and as per drawing and the directions of Engineer in-charge.					
	present Qty	**Cum**	**167.06**			
	Previous Bill Qty	**Cum**	**0.00**			
	Total	**Cum**	**167.06**			
	BOQ Qty	**Cum**	**167.06**			
	Now to be paid	**Cum**	**167.06**	**1768.08**	**295375.44**	
Item No.06	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications and as per drawing and the directions of Engineer in-charge.					
	present Qty	**Sqm**	**1113.75**			
	Previous Bill Qty	**Sqm**	**0.00**			
	Total	**Sqm**	**1113.75**			
	BOQ Qty	**Sqm**	**1113.75**			
	Now to be paid	**Sqm**	**1113.75**	**27.56**	**30694.95**	
Item No.07	Cleaning the existing black topped surface with brooms,soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials,labhour, HOM of machineries complete as per specifications and as per the directions of the Engineer-in-charge of the work .					
	present Qty	**Sqm**	**10139.50**			
	Previous Bill Qty	**Sqm**	**0.00**			
	Total	**Sqm**	**10139.50**			
	BOQ Qty	**Sqm**	**10139.50**			
	Now to be paid	**Sqm**	**10139.50**	**3.18**	**32243.61**	
Item No.08	Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications and the directions of Engineer in-charge.					
	present Qty	**Sqm**	**10139.50**			
	Previous Bill Qty	**Sqm**	**0.00**			
	Total	**Sqm**	**10139.50**			
	BOQ Qty	**Sqm**	**10139.50**			
	Now to be paid	**Sqm**	**10139.50**	**11.66**	**118226.57**	

Contractor

Assistant Executive Engineer,
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

PMC

A.N.D
Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

Item No	Description	Unit	Quantity	Approved Tender Rates	Amount	Remarks
Item No.09	Providing and laying bituminous concrete 40mm compacted thickness with VG30 Bitumen garde using 40-60 HMP using crushed aggregates of grading ll premixed with bituminous binder at 6% of mix and filler transporting the hot mix to work site laying with a mechanical paver finisher to the required grade level and alinment,rolling with smooth wheeled, vibratory and tandem rollers to achive the desired compaction as per MoRTH specification and as per the directions of the Engineer-in-charge of the work .					
	present Qty	**Cum**	**405.58**			
	Previous Bill Qty	**Cum**	**0.00**			
	Total	**Cum**	**405.58**			
	BOQ Qty	**Cum**	**405.58**			
	Now to be paid	**Cum**	**405.58**	**7083.98**	**2873120.61**	
Item No.10	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm aea thickness of 2.5 mm exclusive of surface applied glass beads as per IRC;35 the finished surface to be level , uniform and free from streaks and holes complete as per specification and as per the directions of the Engineer-in-charge of the work .					
	present Qty	**Sqm**	**381.12**			
	Previous Bill Qty	**Sqm**	**0.00**			
	Total	**Sqm**	**381.12**			
	BOQ Qty	**Sqm**	**381.12**			
	Now to be paid	**Sqm**	**381.12**	**542.72**	**206841.45**	
				SUB TOTAL AMOUNT	**4459050.18**	
				Add KRIDL @ 10%	**445905.02**	
				Labour Cess @ 1%	**44590.50**	
				TOTAL AMOUNT	**4949545.70**	

4949500

Assistant Executive Engineer,
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

Contractor PMC AssistantEngineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mananagara Palike
Bangalore - 560 092

Assistant Executive Engineer